

FIG. 1

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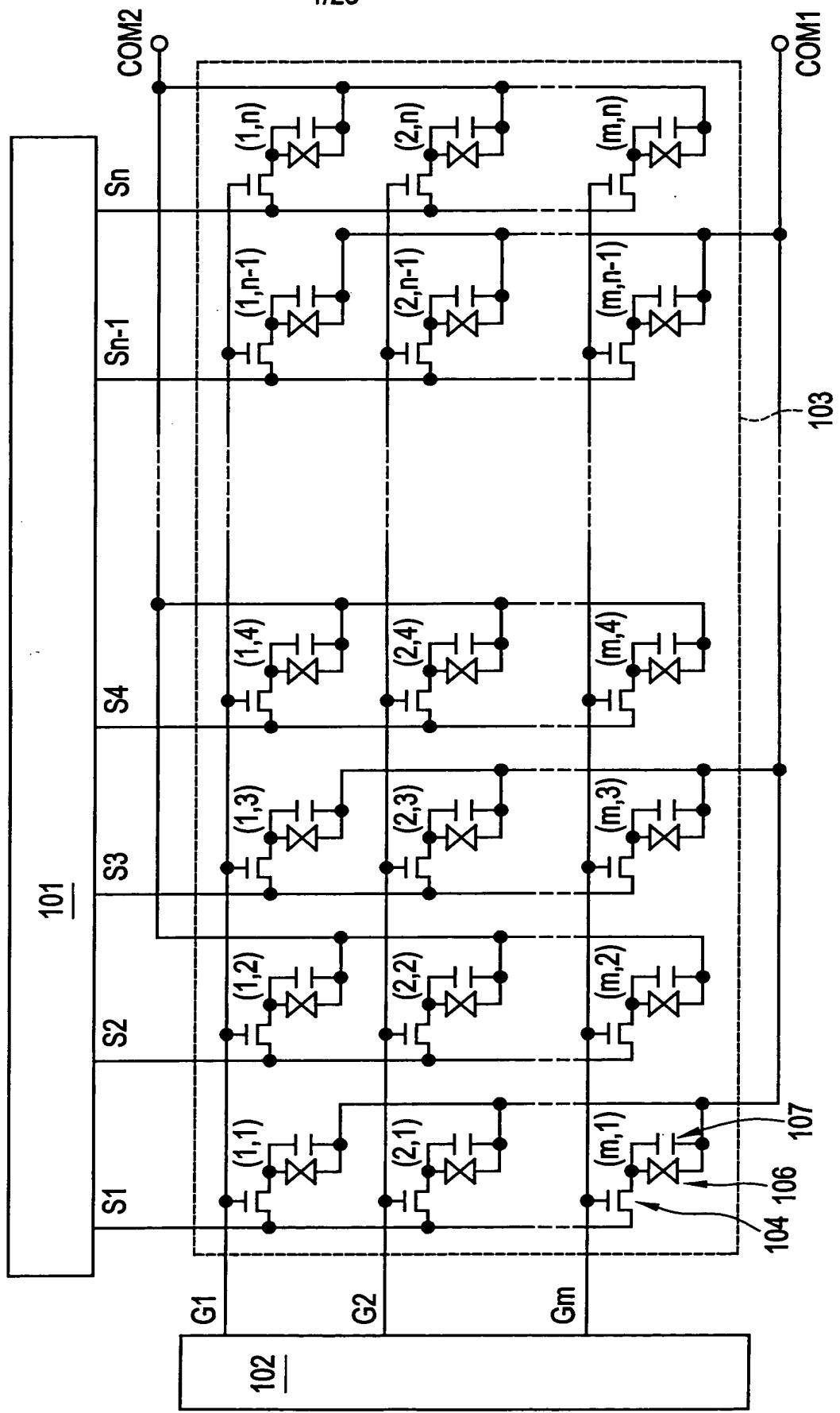


FIG. 2

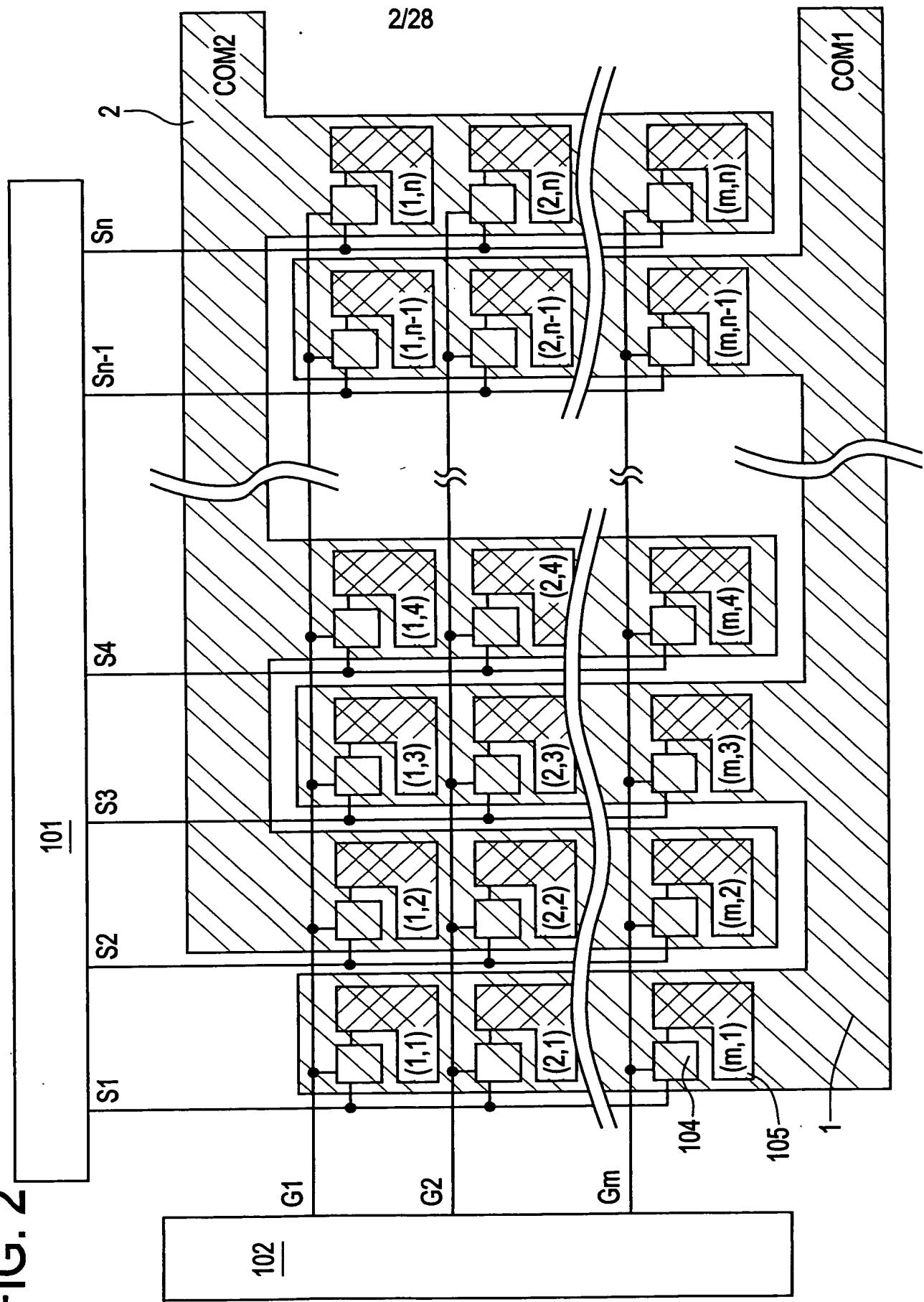


FIG. 3

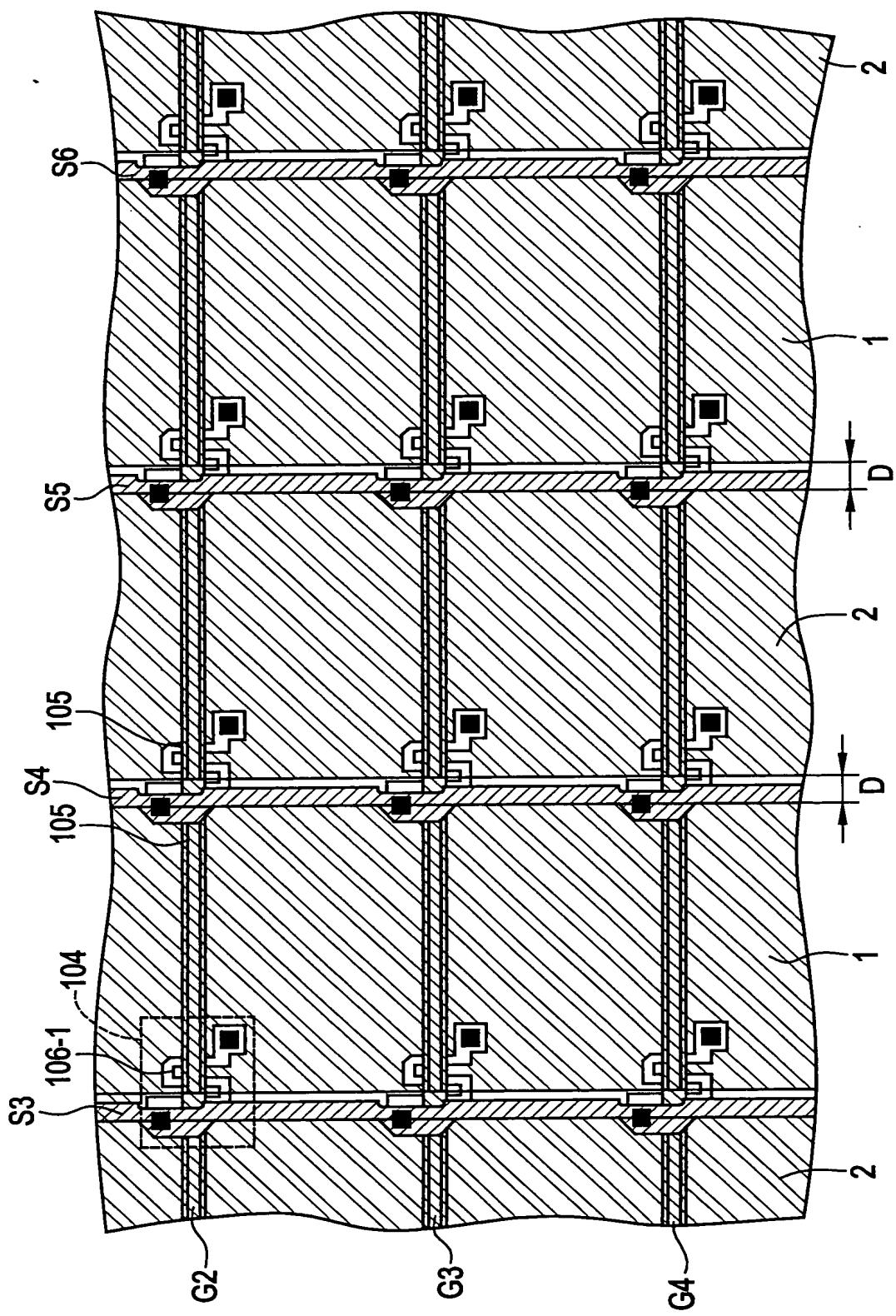


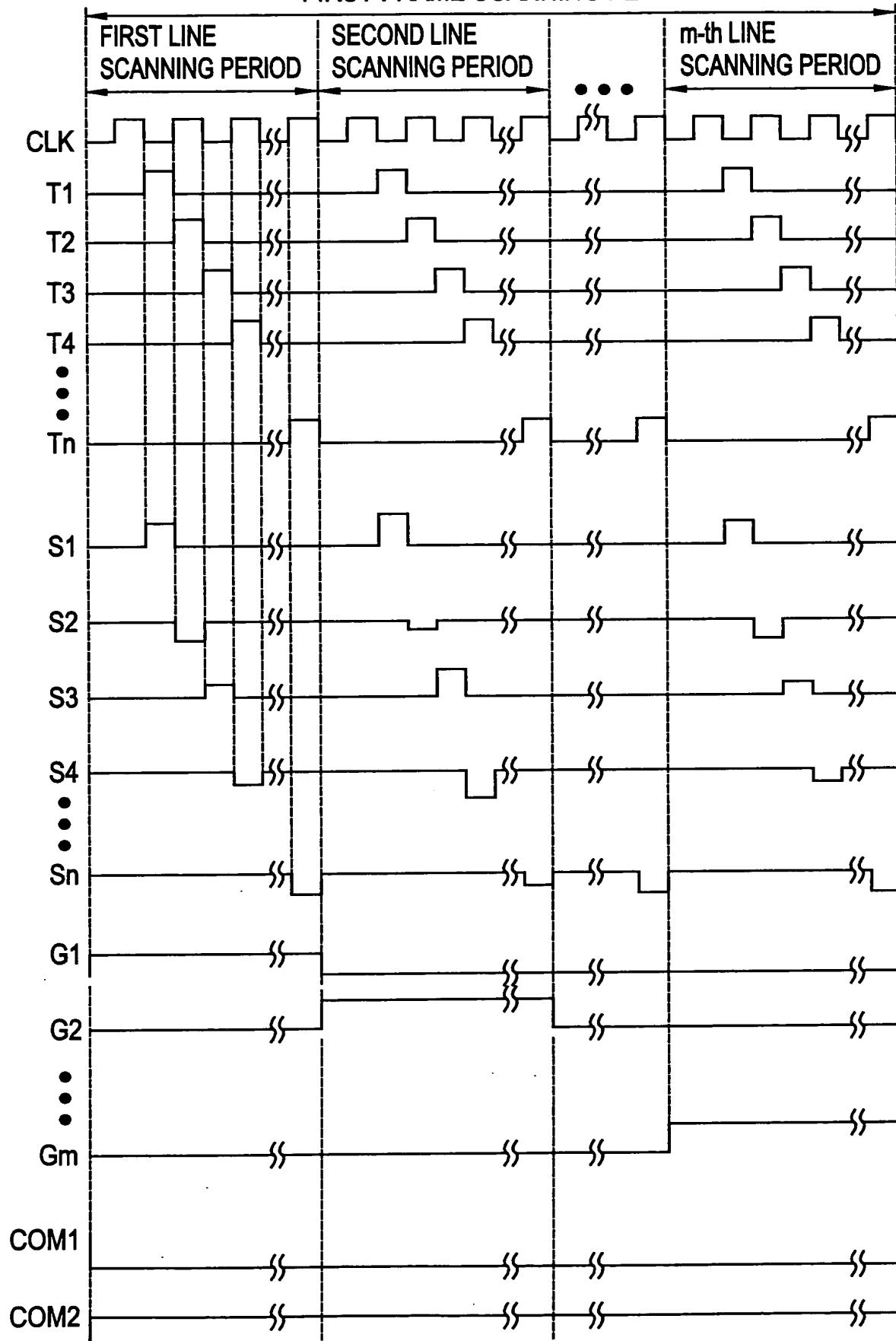
FIG. 44/28
FIRST FRAME SCANNING PERIOD

FIG. 5

SECOND FRAME SCANNING PERIOD

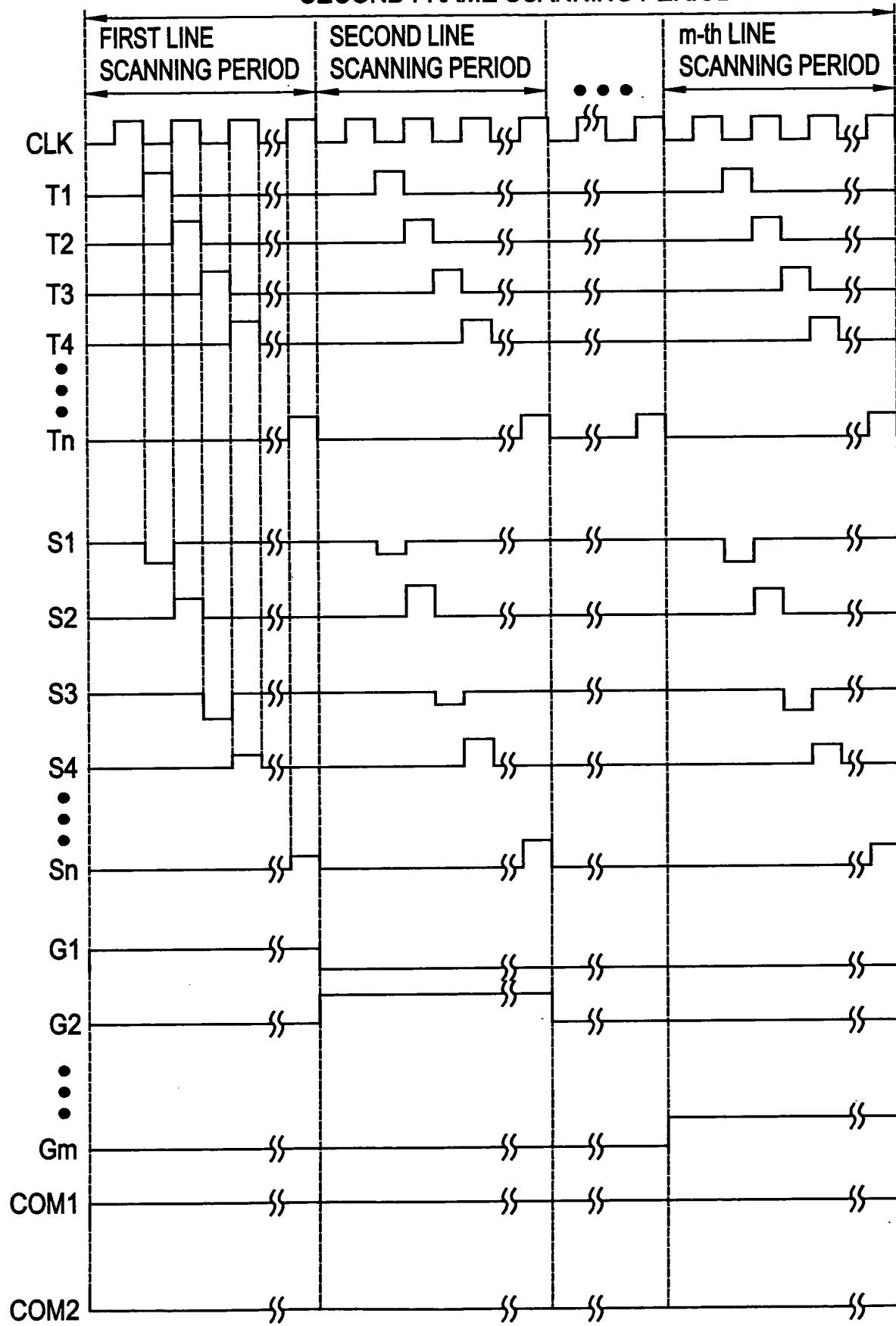


FIG. 6

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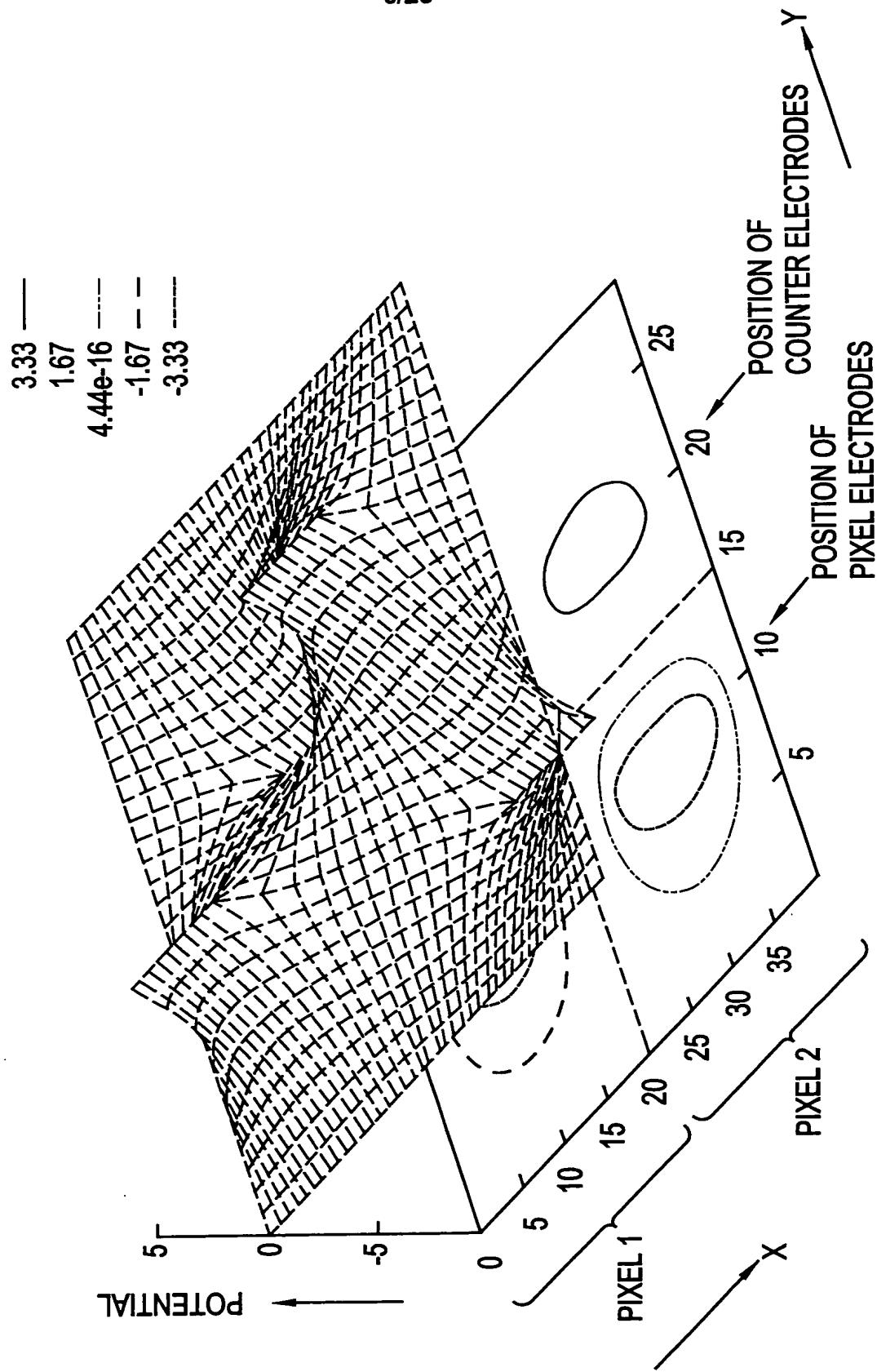


FIG. 7

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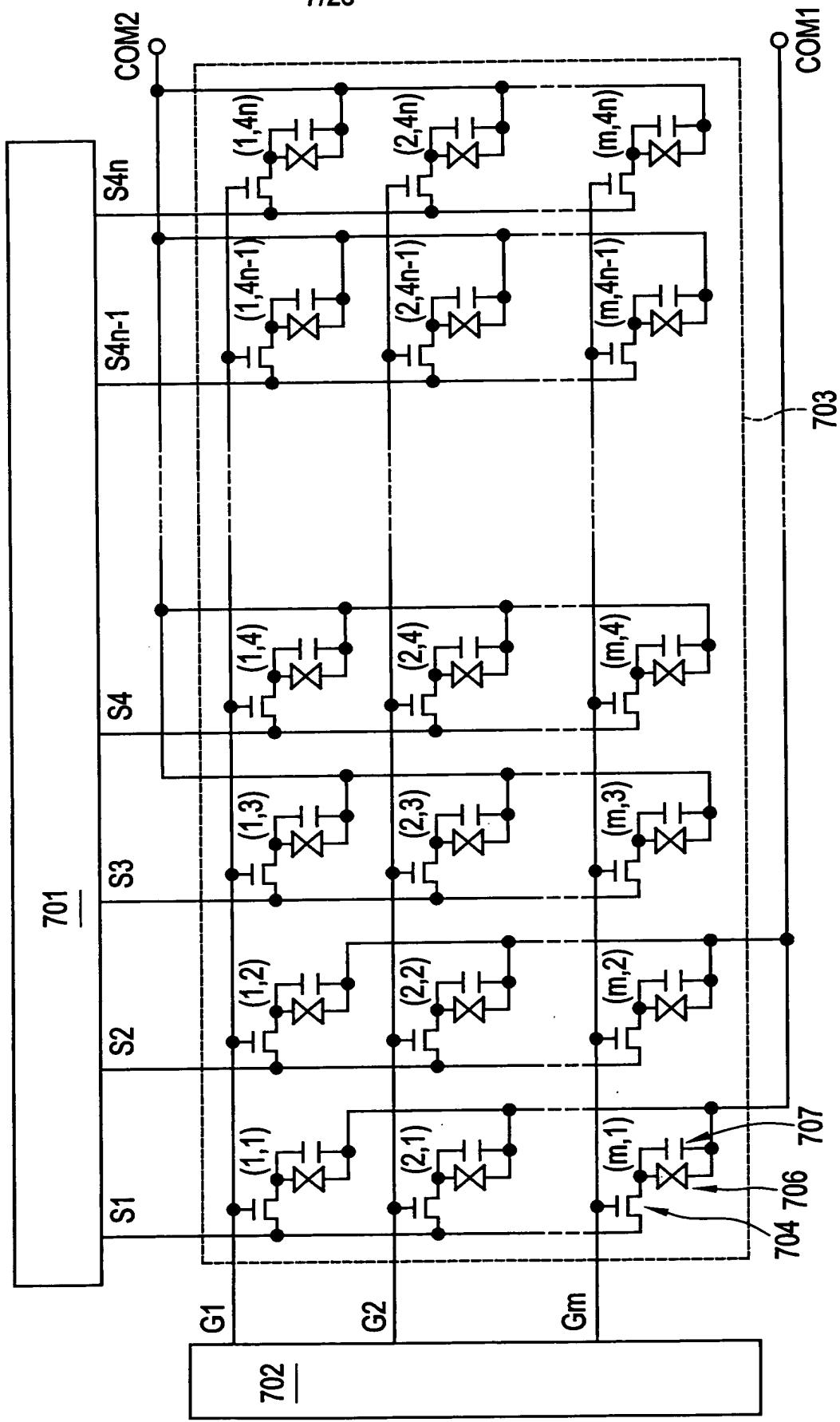


FIG. 8

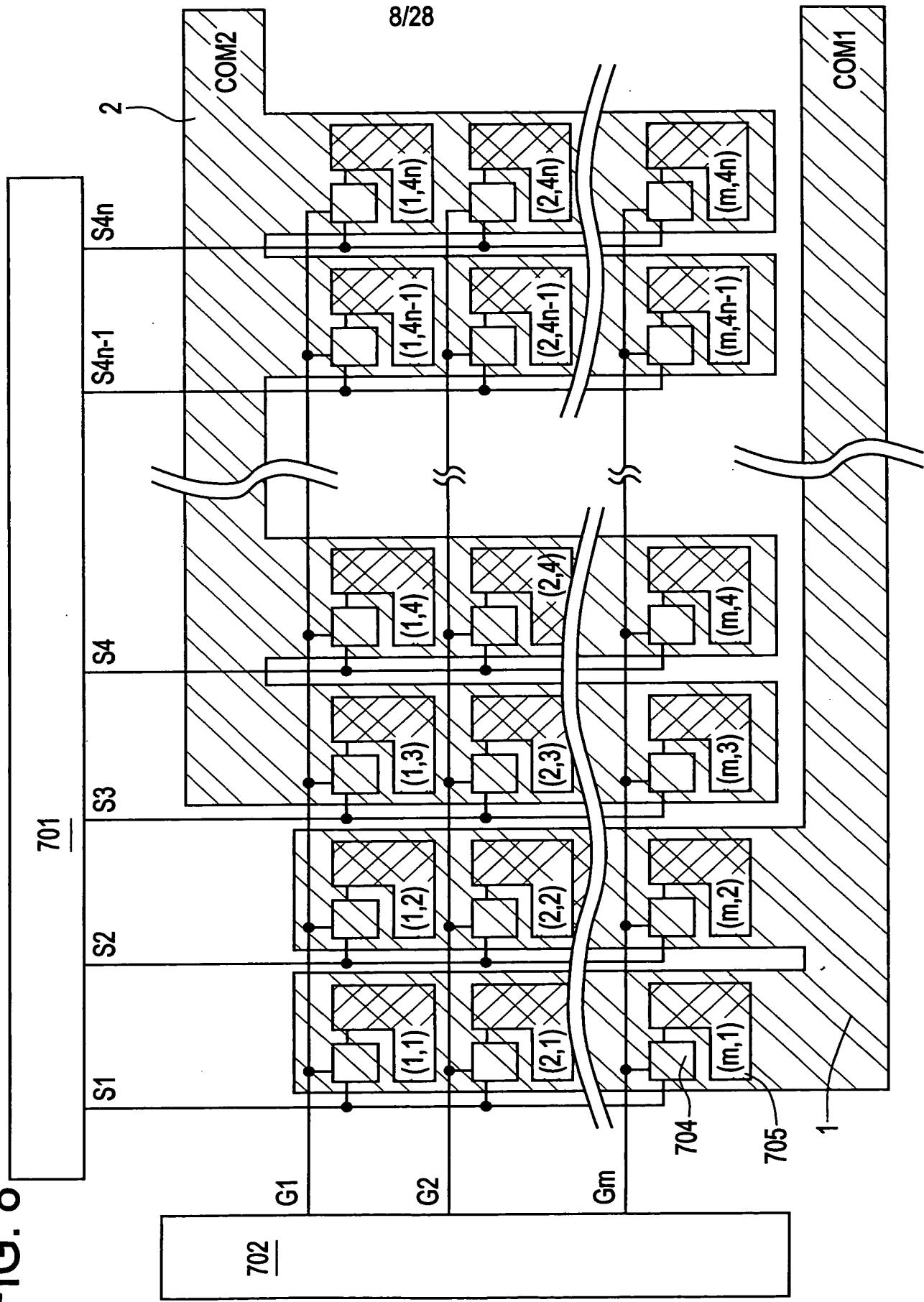


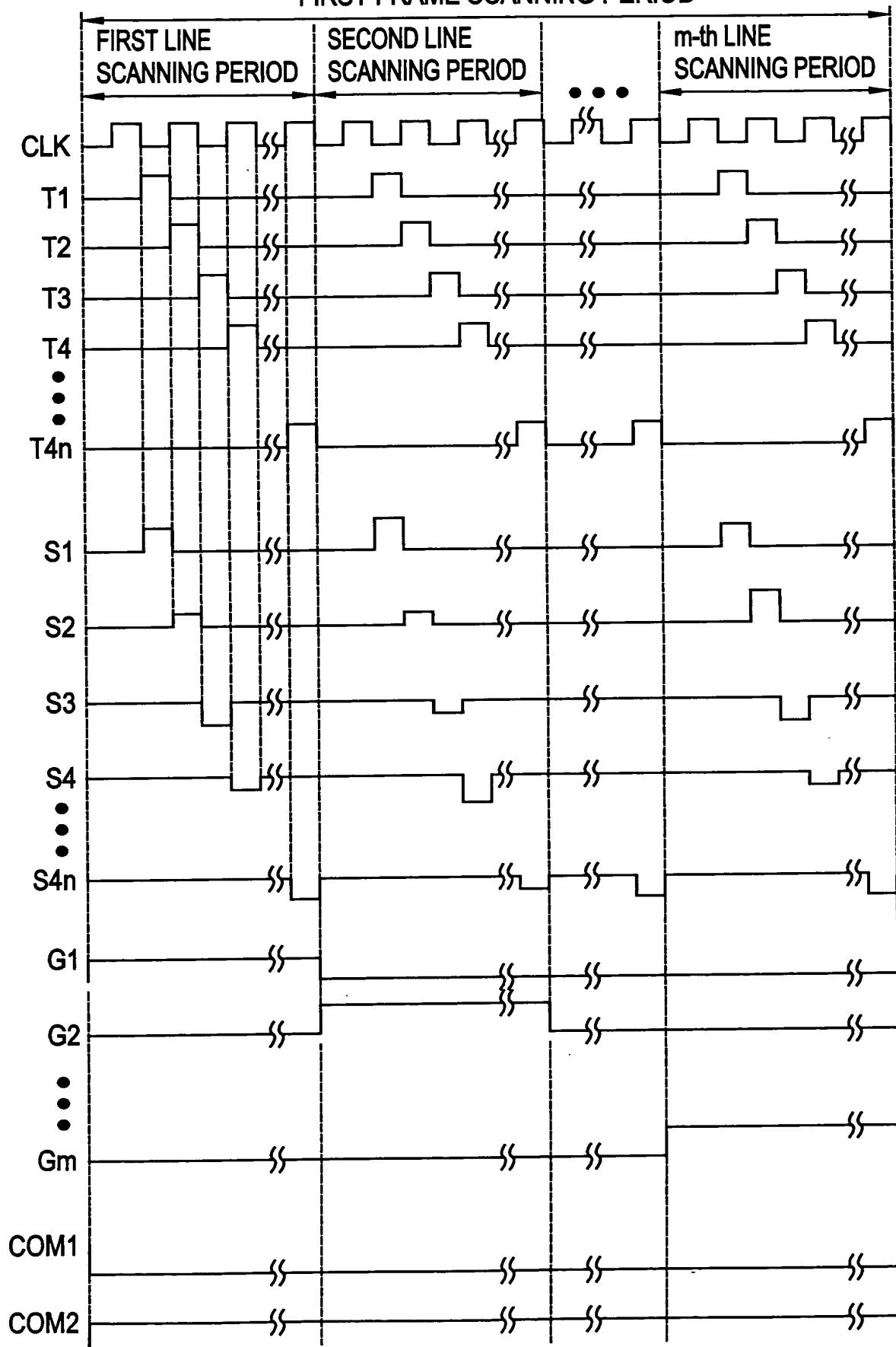
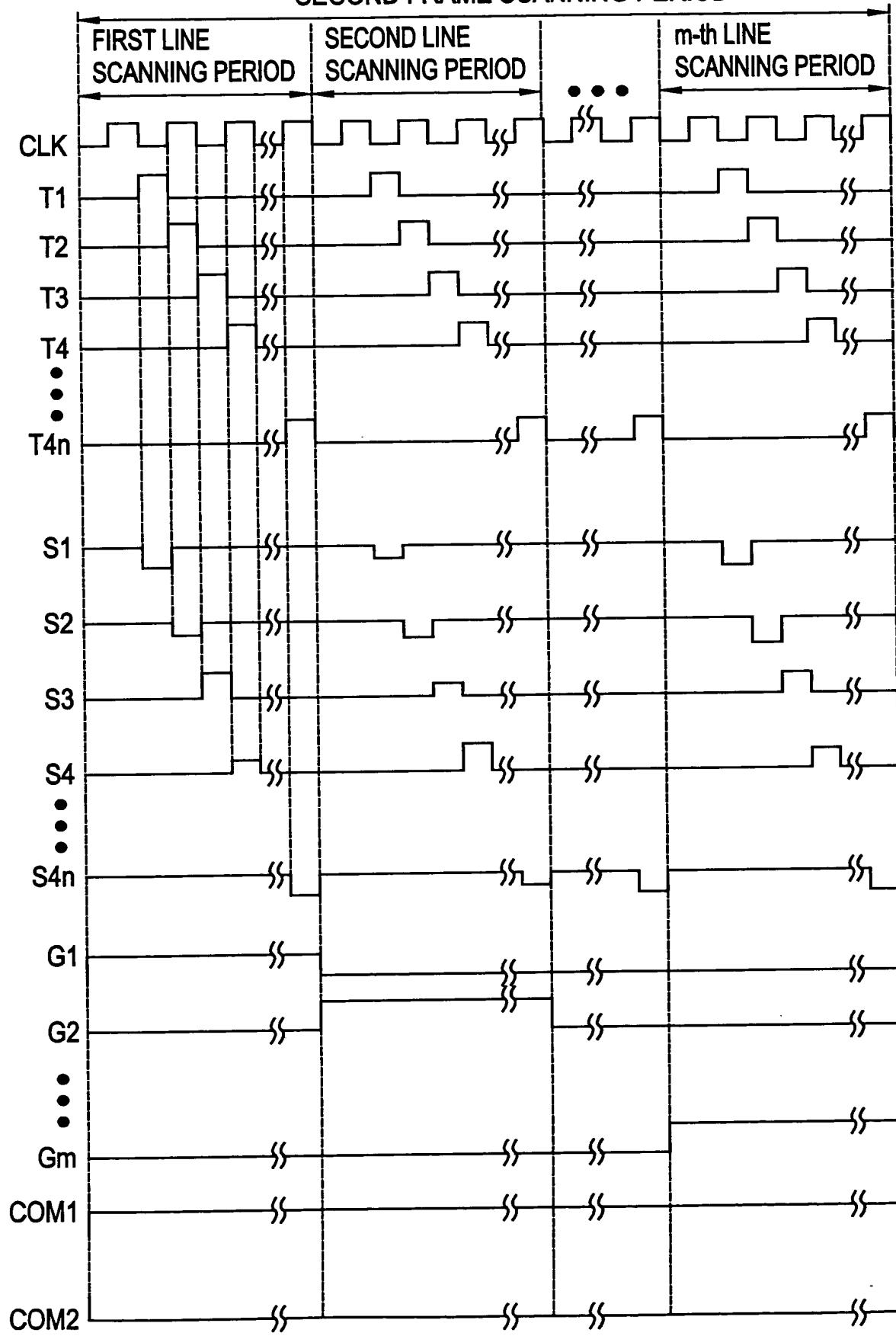
FIG. 99/28
FIRST FRAME SCANNING PERIOD

FIG. 10

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SECOND FRAME SCANNING PERIOD



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FIG. 11A

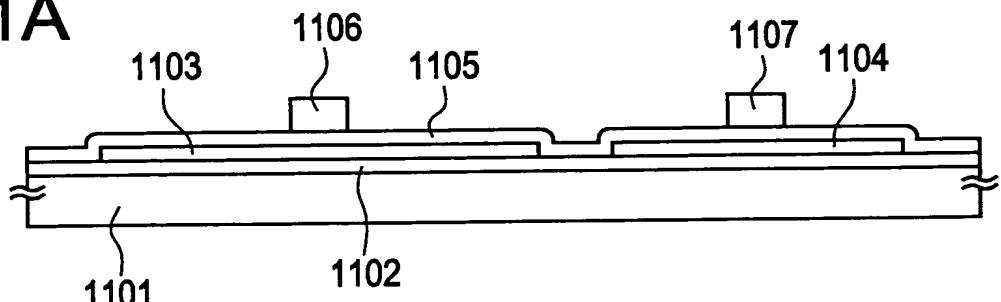


FIG. 11B

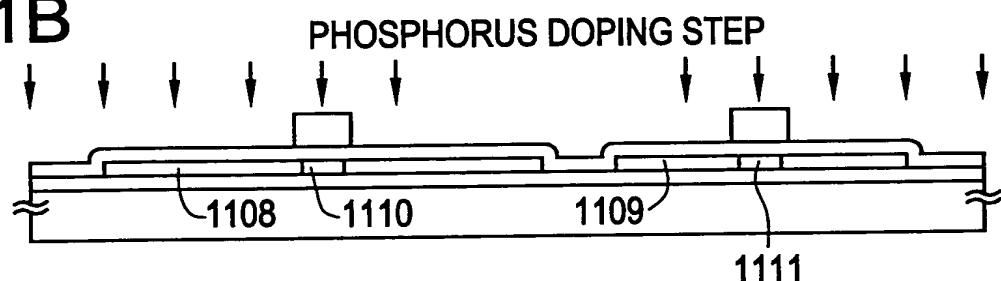


FIG. 11C

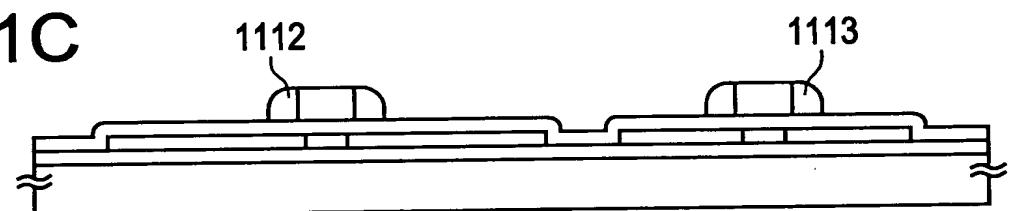


FIG. 11D

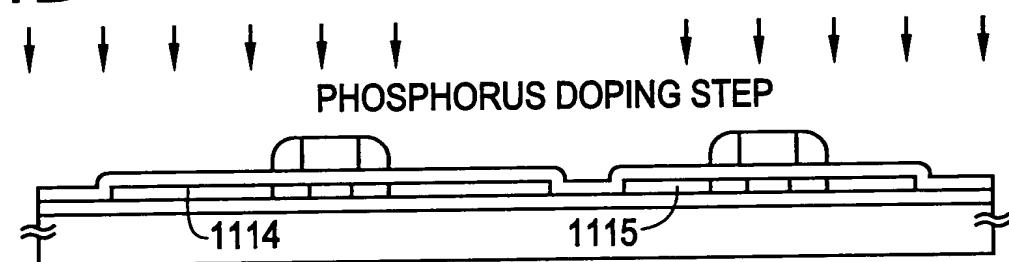


FIG. 11E

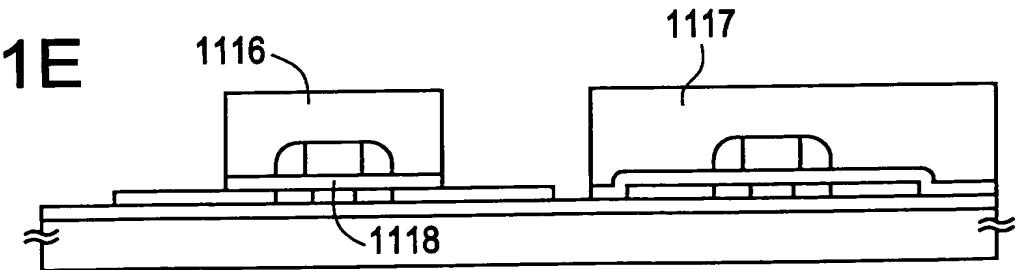


FIG. 12A
PHOSPORUS DOPING STEP

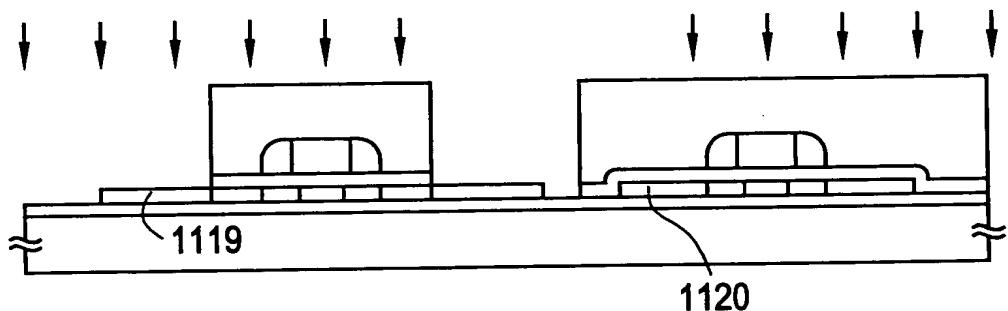


FIG. 12B

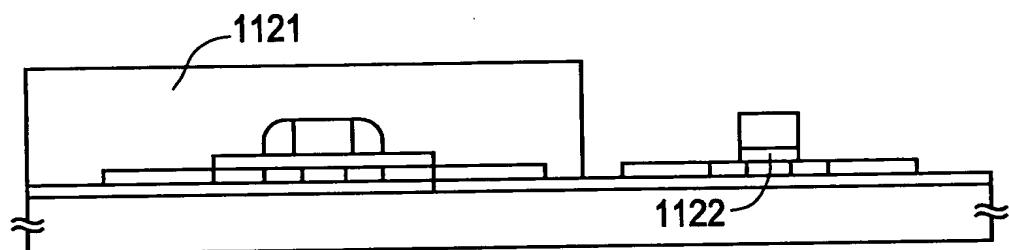


FIG. 12C
BORON DOPING STEP

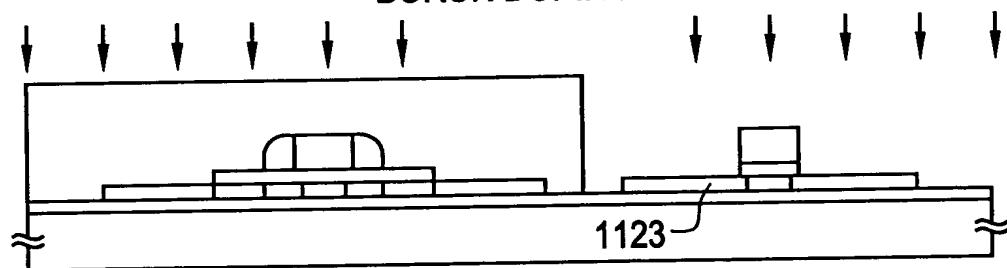
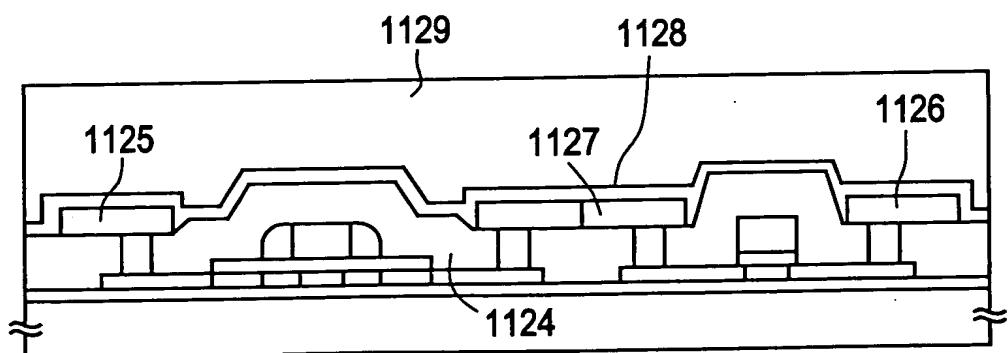


FIG. 12D



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FIG. 13A

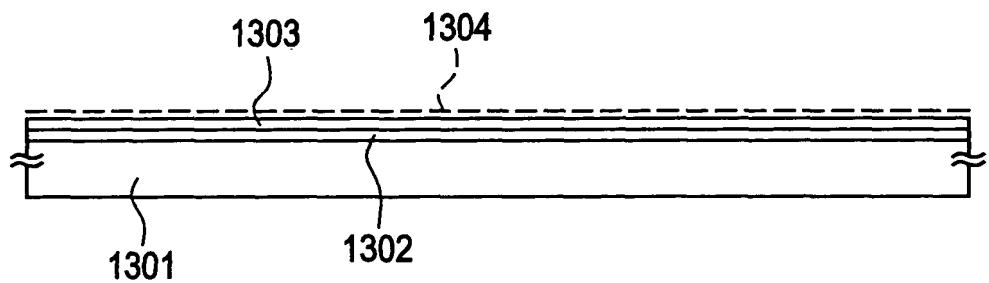


FIG. 13B

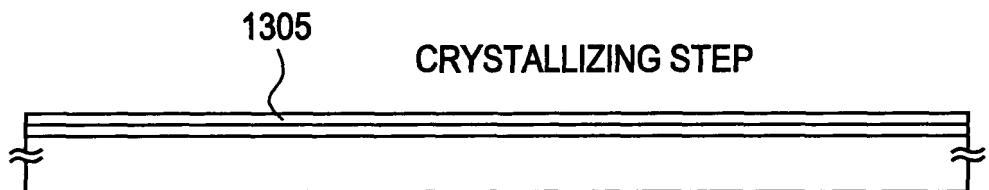


FIG. 14A

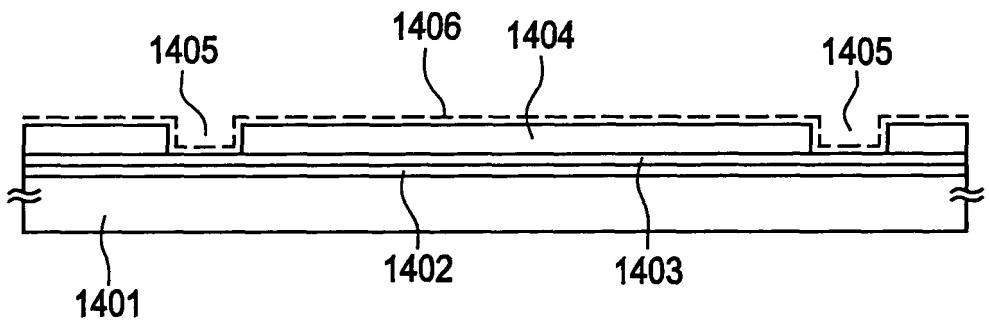


FIG. 14B
CRYSTALLIZING STEP

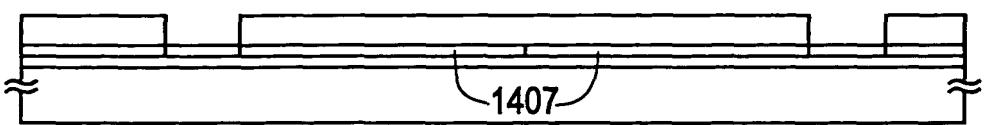


FIG. 15A

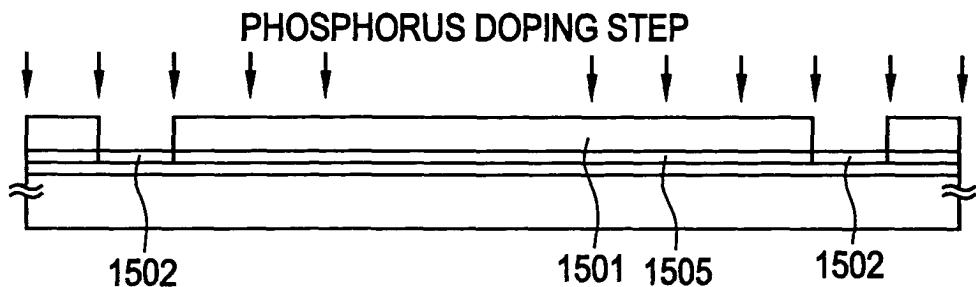


FIG. 15B

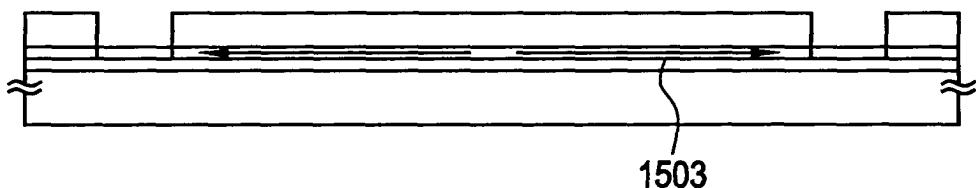


FIG. 16A

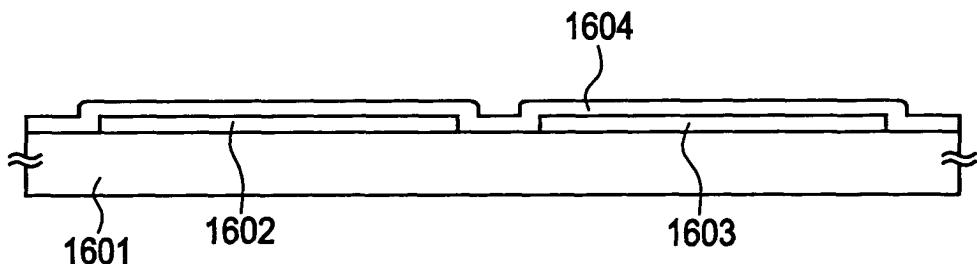


FIG. 16B

HEAT TREATMENT IN ATMOSPHERE CONTAINING HALOGEN ELEMENT

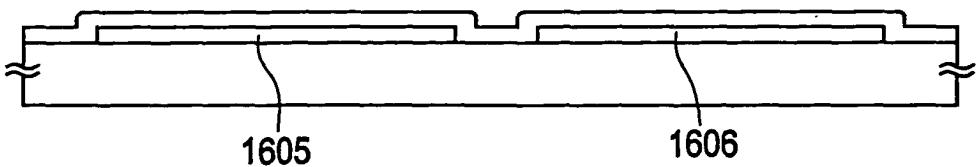


FIG. 17A

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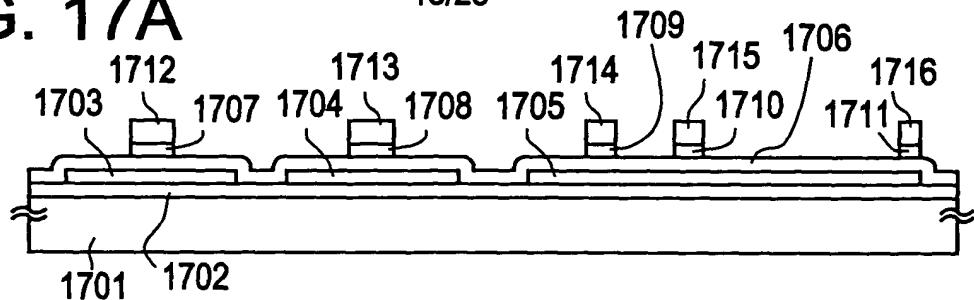


FIG. 17B

ADDITION OF N-TYPE IMPURITY

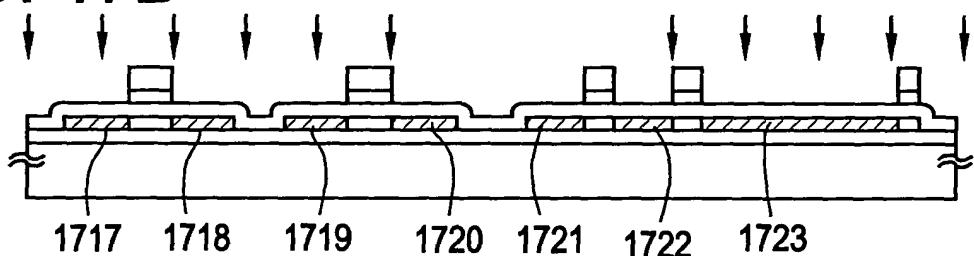


FIG. 17C

ADDITION OF P-TYPE IMPURITY

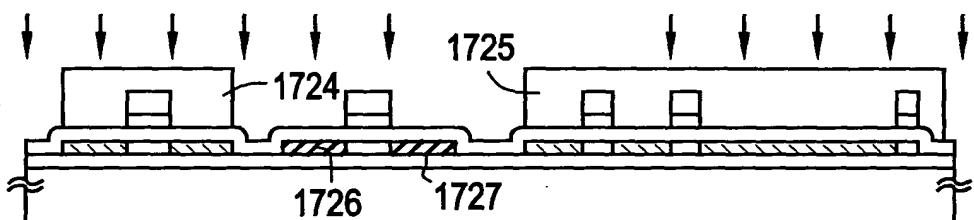


FIG. 17D

ADDITION OF N-TYPE IMPURITY

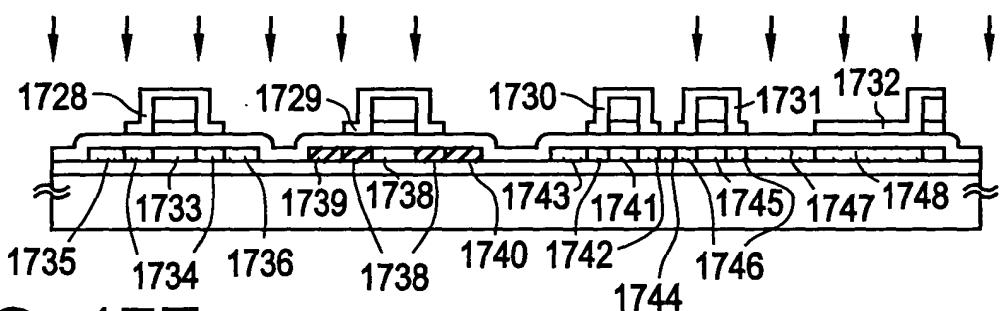


FIG. 17E

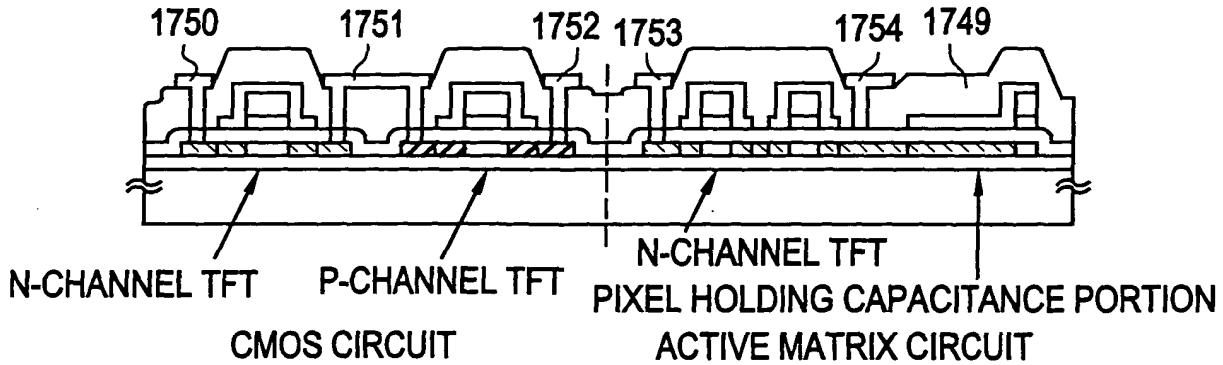


FIG. 18A

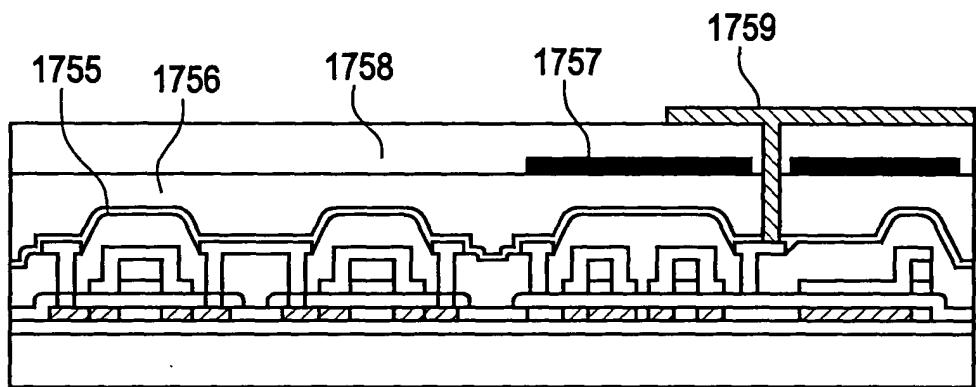


FIG. 18B

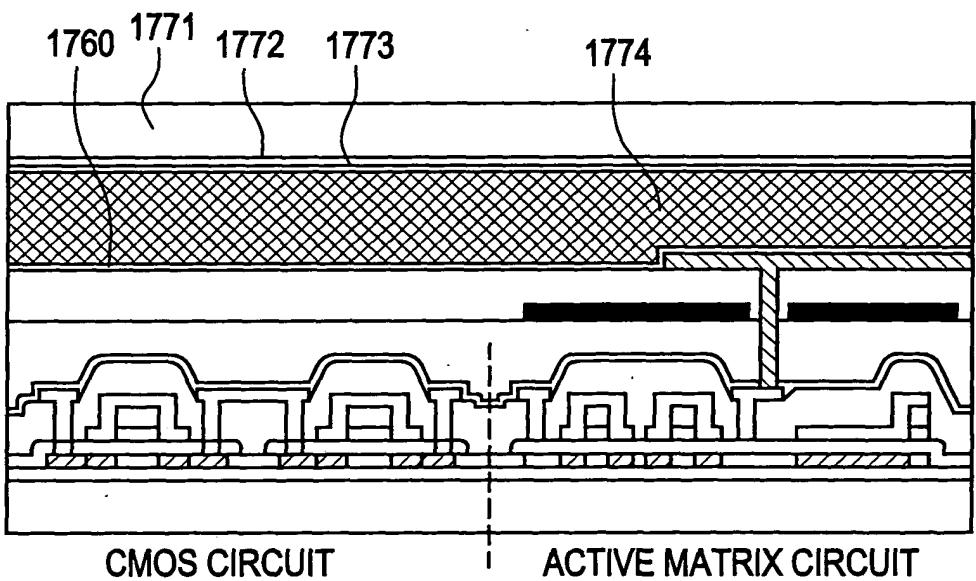


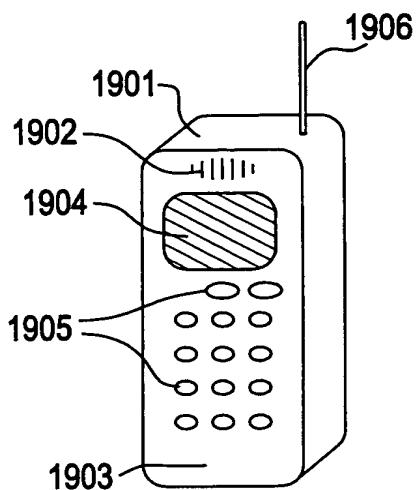
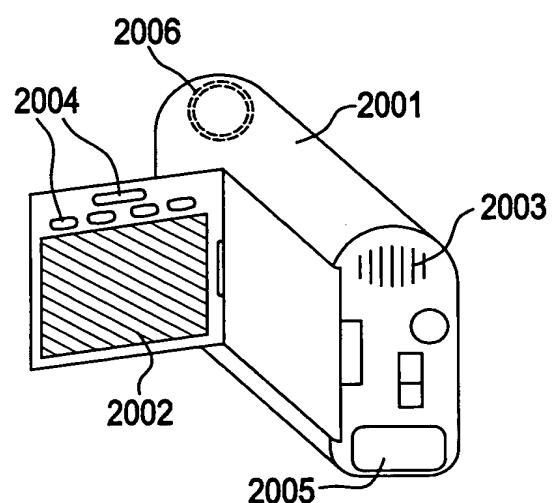
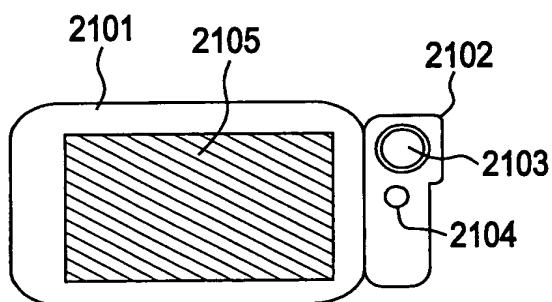
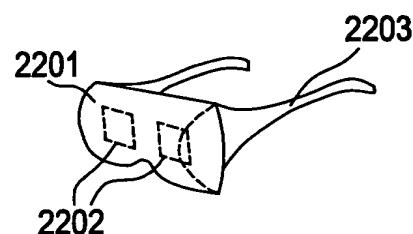
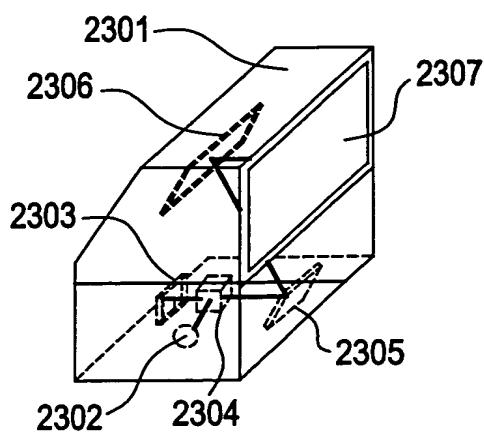
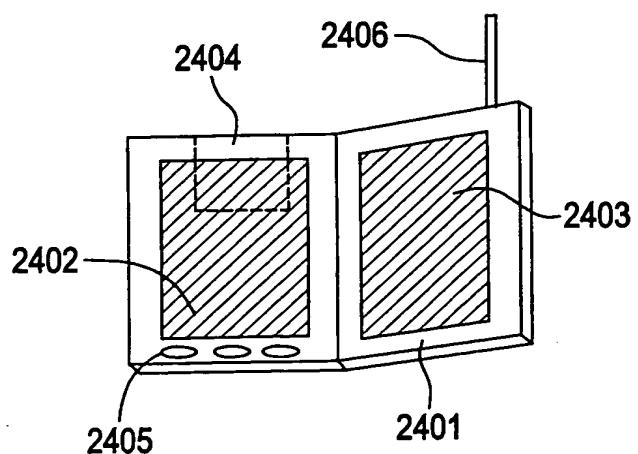
FIG. 19A**FIG. 19B****FIG. 19C****FIG. 19D****FIG. 19E****FIG. 19F**

FIG. 20
PRIOR ART

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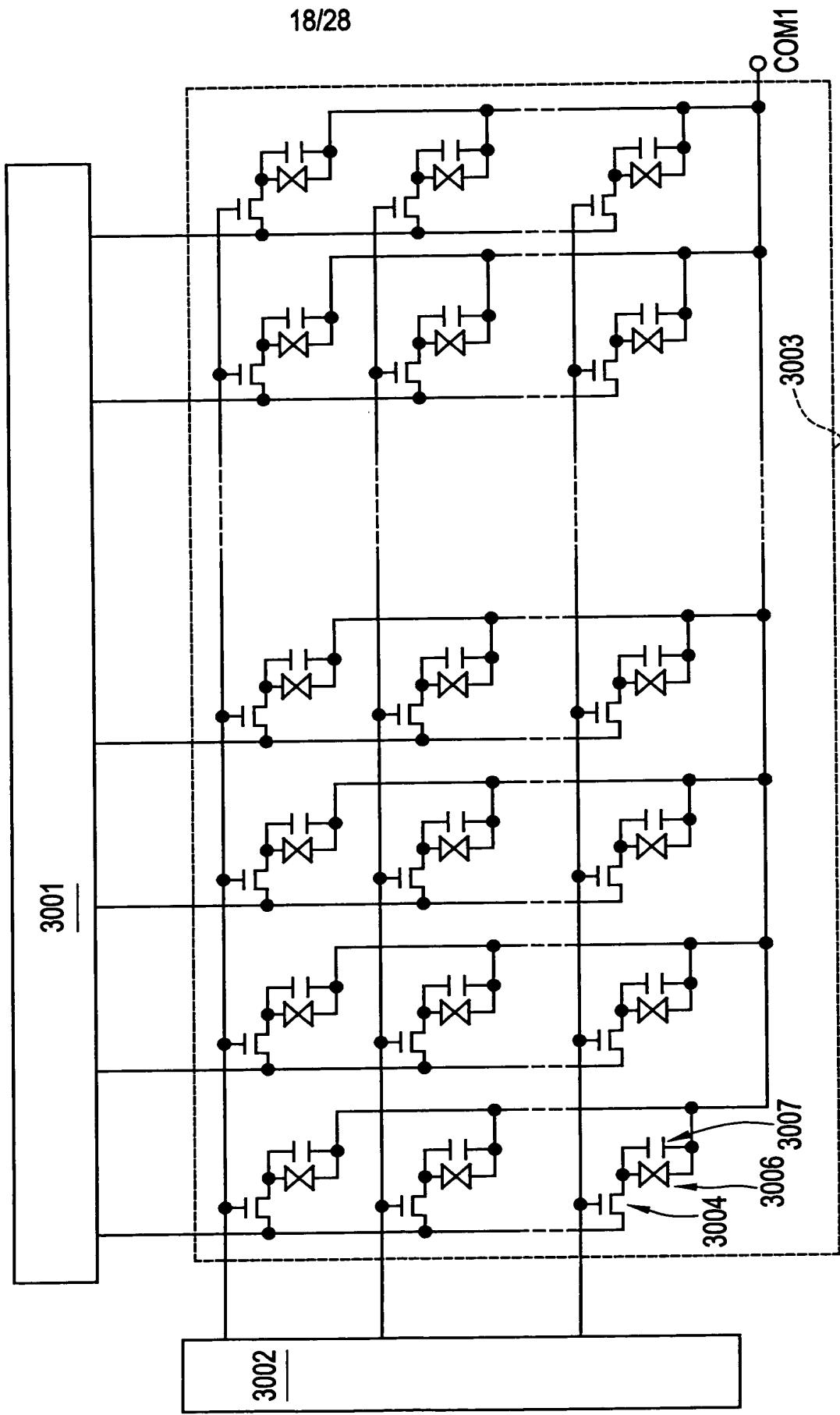


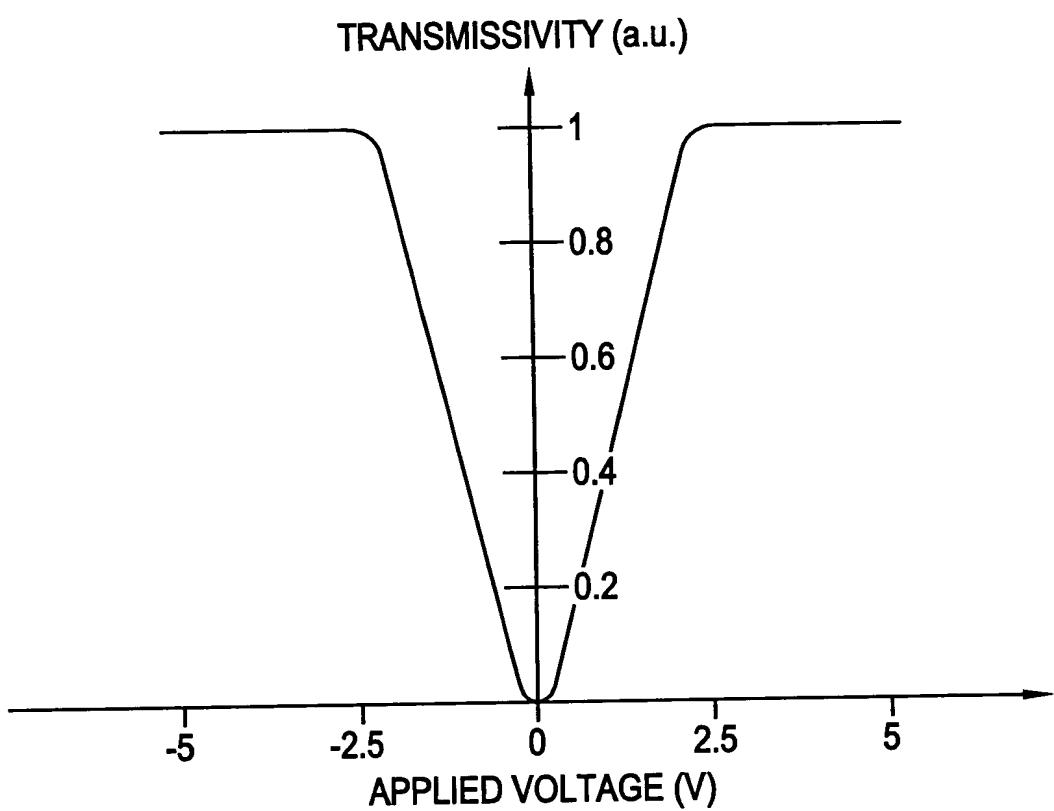
FIG. 21

FIG. 22

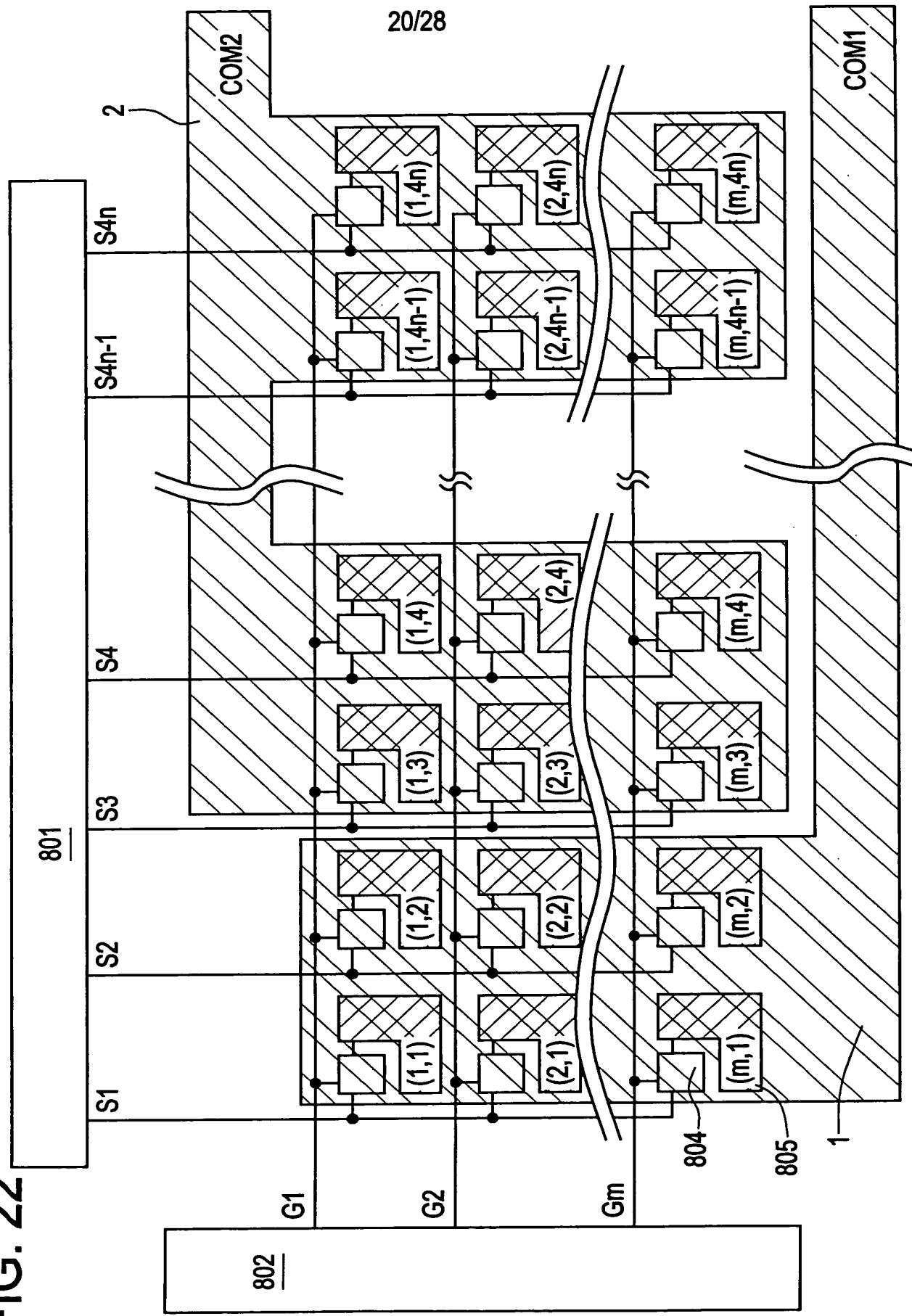


FIG. 23

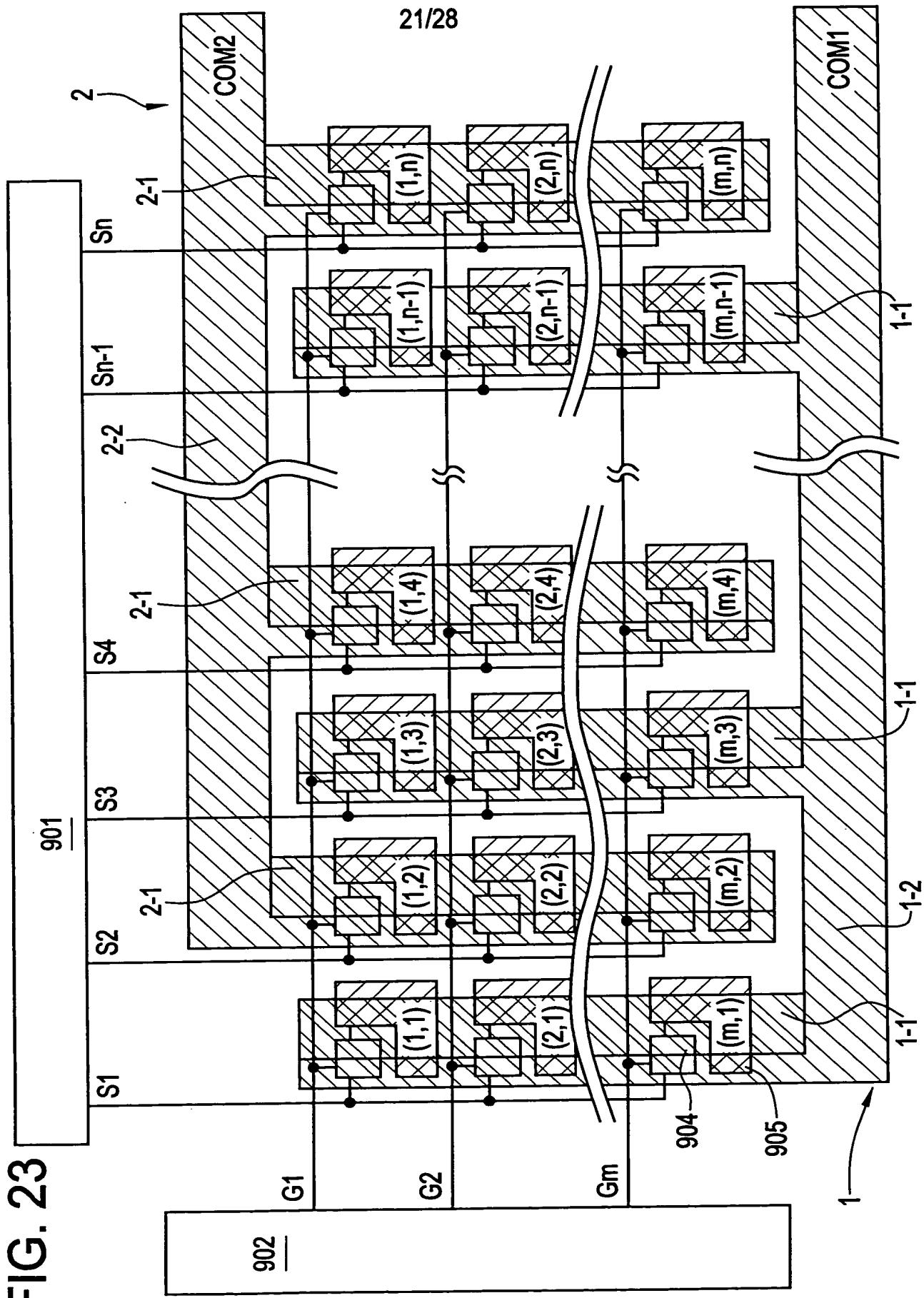


FIG. 24

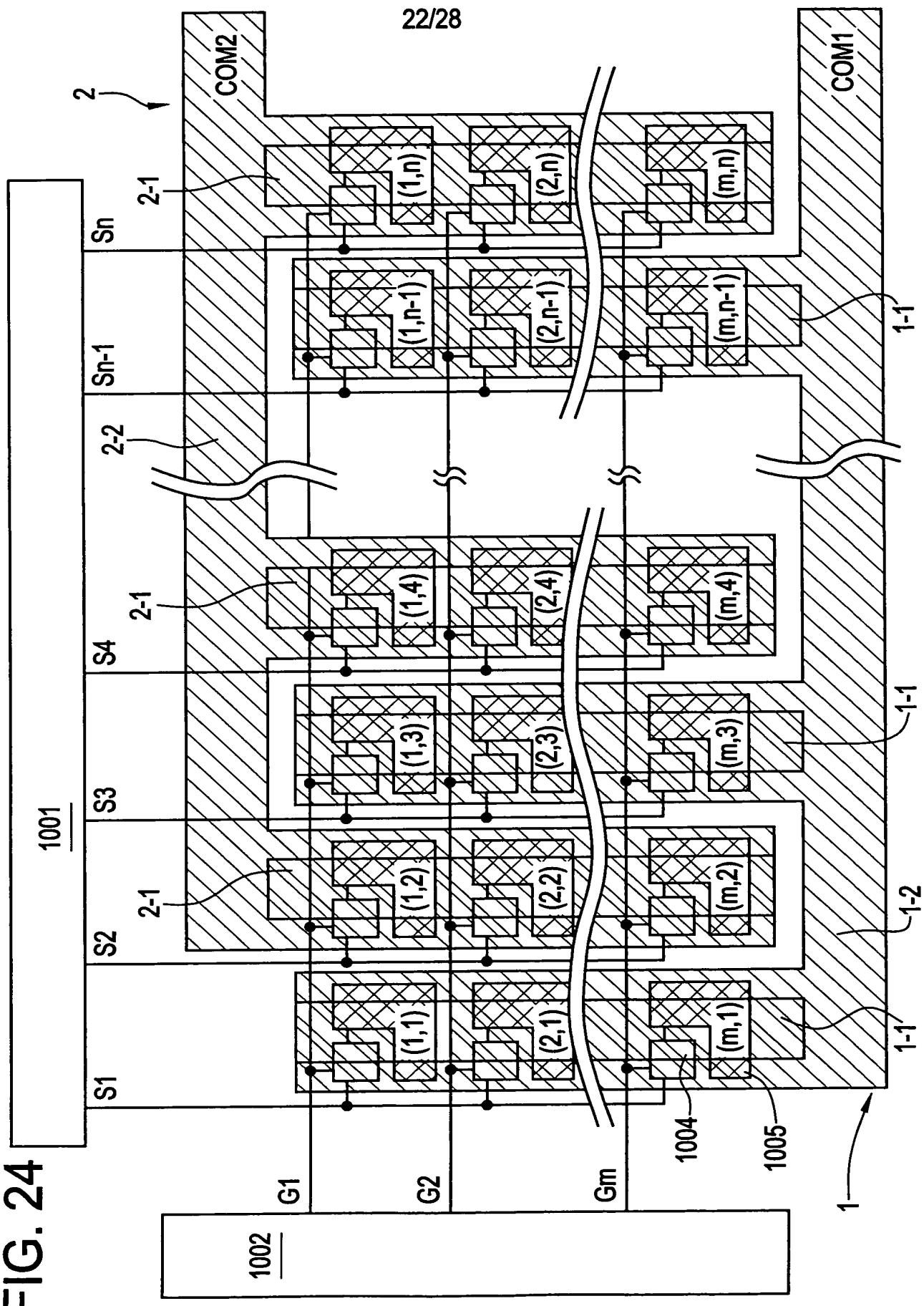


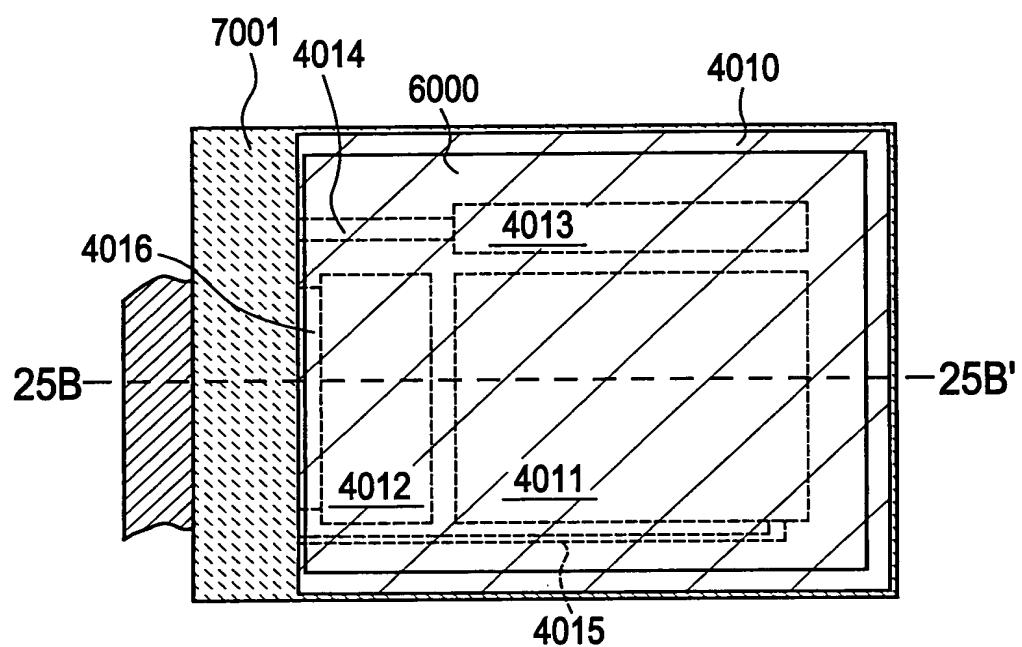
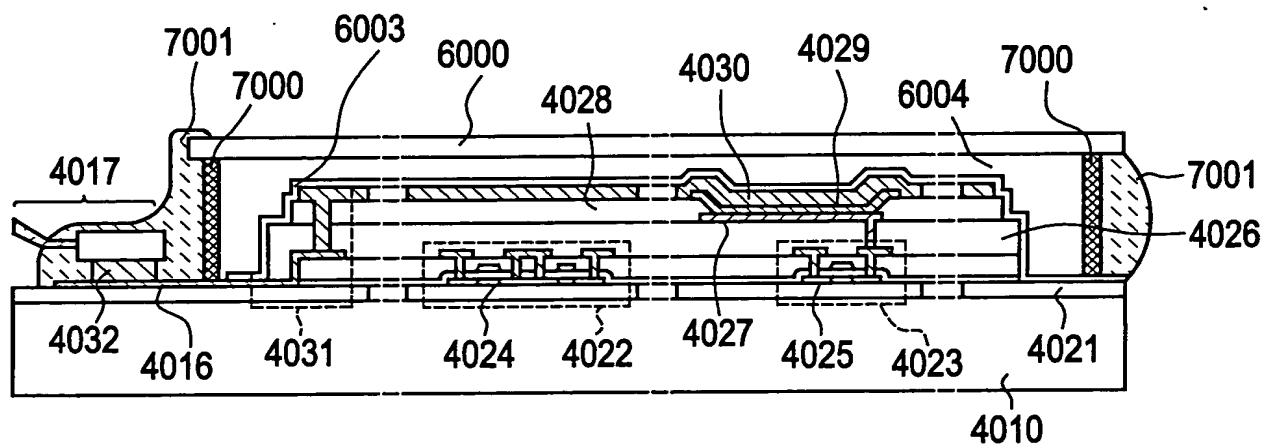
FIG. 25A**FIG. 25B**

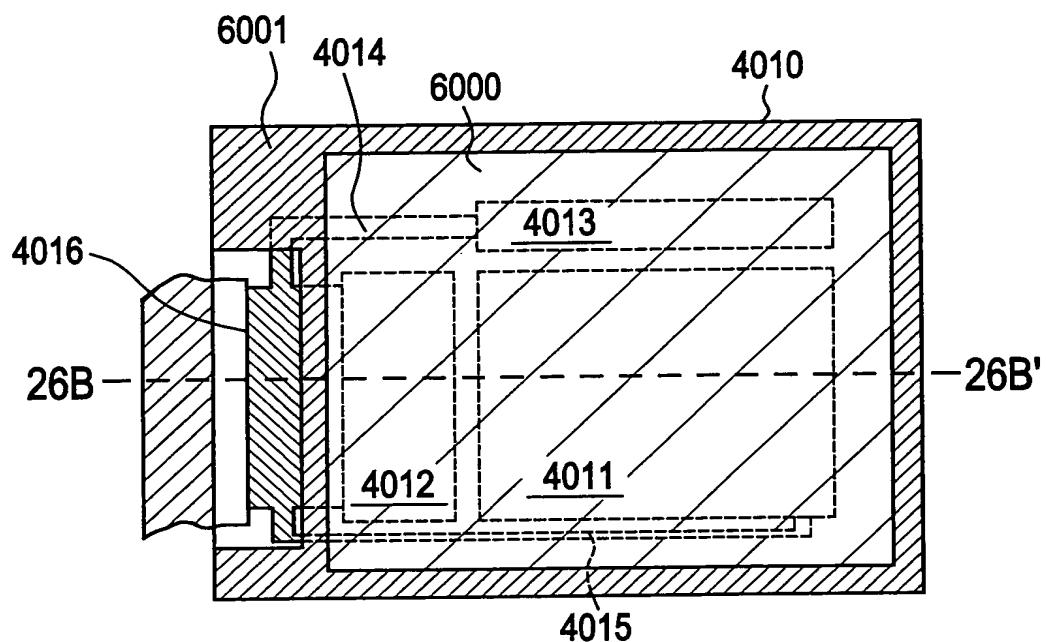
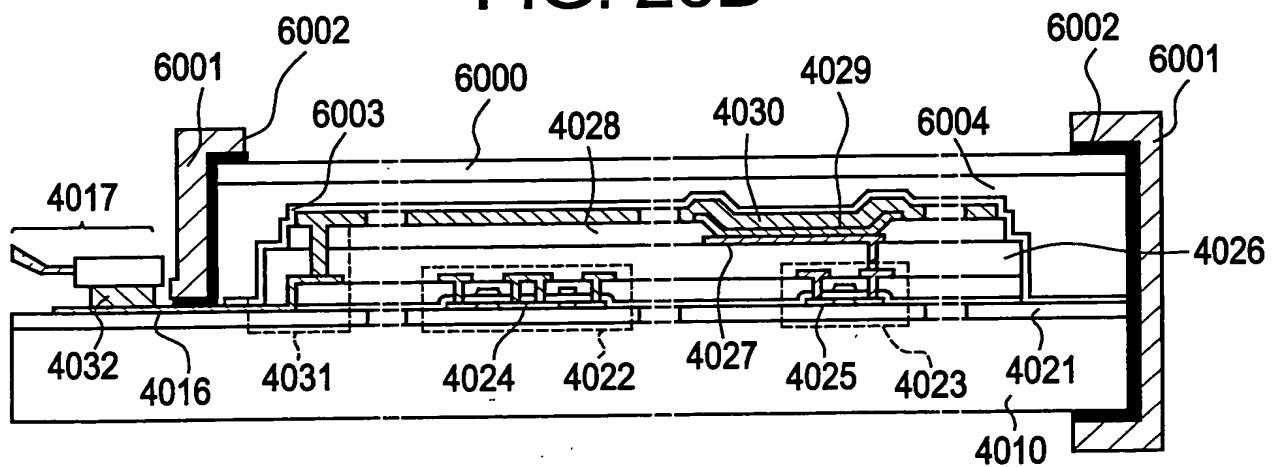
FIG. 26A**FIG. 26B**

FIG. 27

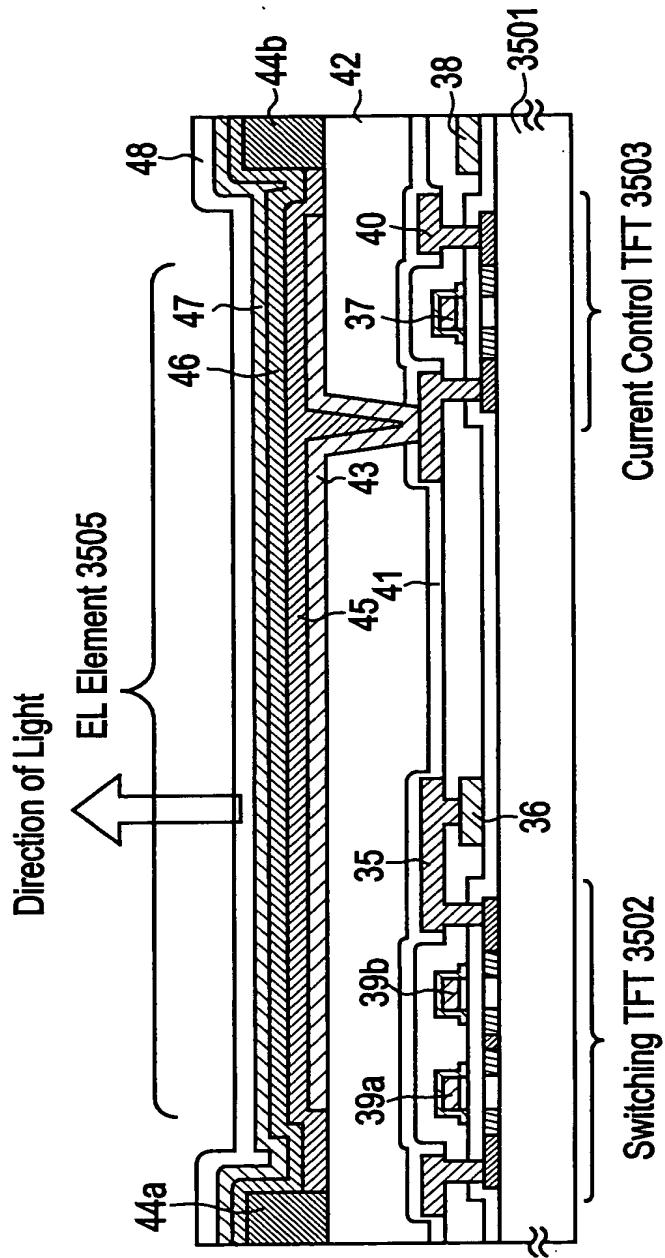


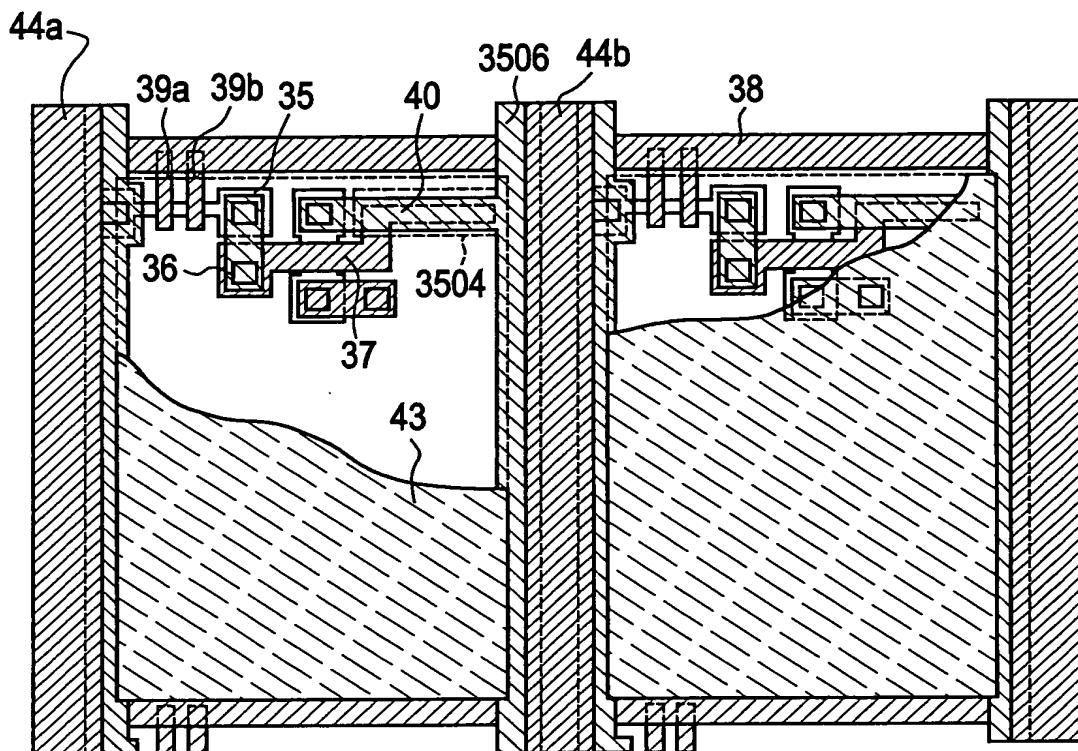
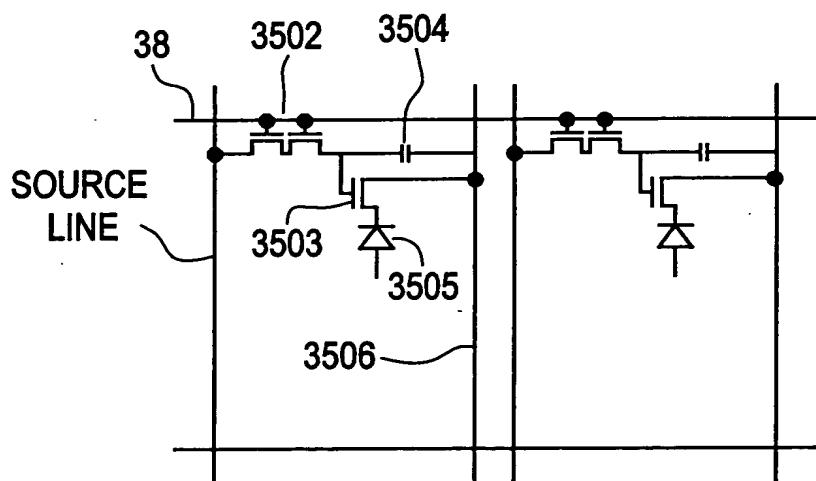
FIG. 28A**FIG. 28B**

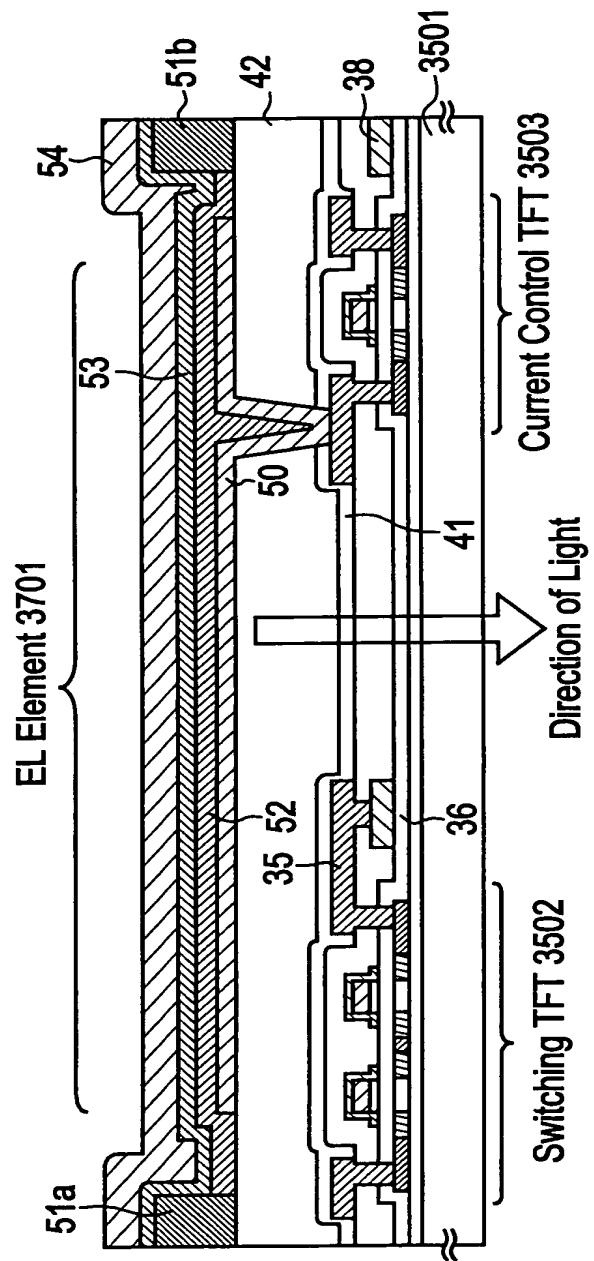
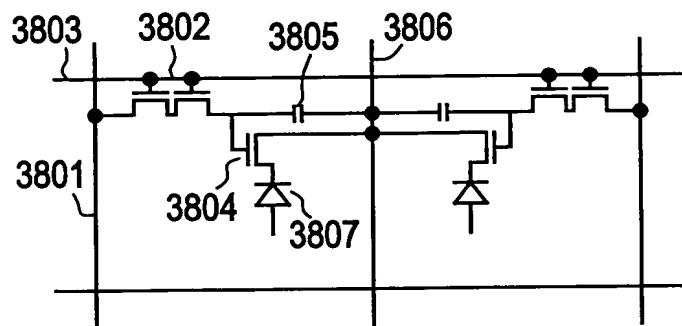
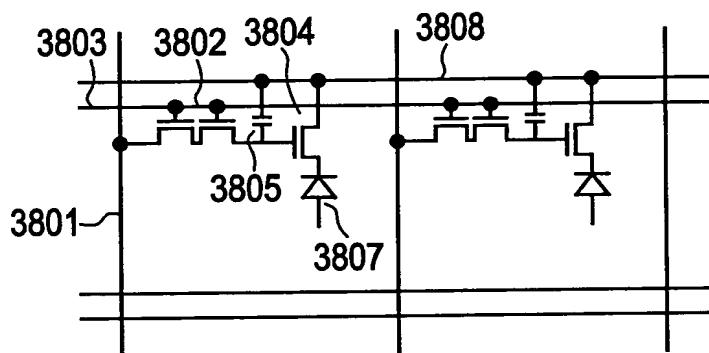
FIG. 29

FIG. 30A**FIG. 30B****FIG. 30C**